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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/809,808
Filing Date	March 26, 2004
First Named Inventor	Boris A. MASLOV
Art Unit	2837
Examiner Name	COLON SANTANA, E.
Attorney Docket Number	76897-018CIP6

Sheet 1 of 8

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/EC/	A1	3,909,685	09/30/1975	BAKER	
/EC/	A2	4,315,171	02/09/1982	SCHAFER	
/EC/	A3	4,438,341	03/20/1984	WINTERBOTHMA	
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/EC/	A25	5,365,137	11/15/1994	RICHARDSON	

Examiner Signature	/Eduardo Colon Santana/	Date Considered	12/09/2007
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Sheet 2	of 8	Attorney Docket Number	76897-018CIP6

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/EC/	A26	5,418,437	05/23/1995	COUTURE	
/EC/	A27	5,438,228	08/01/1995	COUTURE	
/EC/	A28	5,465,806	11/14/1995	HIGASA	
/EC/	A29	5,485,491	01/16/1996	SALNICK	
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/EC/	A50	5,939,807	08/17/1999	PATYK	

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		Art Unit	2837		
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/EC/	A51	5,955,814	09/21/1999	FUJIWARA	
/EC/	A52	5,997,107	12/07/1999	KOGA	
/EC/	A53	6,002,234	12/14/1999	OHM	
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/EC/	A55	6,034,493	03/07/2000	BOYD	
/EC/	A56	6,058,032	05/02/2000	YAMANAKA	
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/EC/	A59	6,100,660	08/08/2000	IKEYAMA	
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/EC/	A71	6,377,478	04/23/2002	MORISHITA	
/EC/	A72	6,380,648	04/30/2002	HSU	
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/EC/	A74	6,394,209	05/28/2002	GOEHRING	
/EC/	A75	6,400,059	06/04/2002	HSU	

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/EC/	A76	6,417,650	07/09/2002	STEFANOVIC	
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/EC/	A85	2002/0060505	05/23/2002	KAWAMURA	
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/EC/	A89	2003/0230443	12/18/2003	CRAMER	
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/EC/	A91	2004/0160201	03/08/2005	RAHMAN	
/EC/	A92	2004/0184289	08/23/2005	VINCIARELLI	
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FOREIGN PATENT DOCUMENTS						
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		Country Code ³ Number* Kind Code ² (if known)				
/EC/	B1	DE 195 03 492 A1	08/08/1996	BITZER et al.	w/ Eng. Abst.	
/EC/	B2	DE 197 04 576 A1	08/13/1998	WARTH MARCO	w/ Eng. Abst.	
/EC/	B3	DE 199 09 227 A1	10/21/1999	BUHLER MOTOR GmbH	w/ Eng. Abst.	

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Sheet 5 of 8

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/EC/	B4	EP 0 006 669 A	01/09/1980	RUTTEN	w/ Eng. Abst.	
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/EC/	B6	EP 0 913 292 A2	05/06/1999	LOCKHEED MARTIN		
/EC/	B7	JP 03031029	02/08/1991	ONO	w/ Eng. Abst.	
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/EC/	B12	JP 11-103586	04-13-1999	MAIOCCHI	w/ Eng. Abst. and Eng. comp. trans.	

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	C1	V. ARCI DIACONO, S. CORSI, G. TAGLIABUE, G. OTTAVIANI, S. TOGNO, G. BAROFFIO, C. RAFFAELLI and E. ROSA, "The ENEL's Experience on the Evolution of Excitation Control Systems through Microprocessor Technology," IEEE Transactions on Energy Conversion, Vol. 13, No. 3, September 1998, pp. 292-299	
	C2	HERNAN DE BATTISTA, RICARDO J. MANTZ and CARLOS F. CHRISTIANSEN, "Dynamical Sliding Mode Power Control of Wind Driven Induction Generators," IEEE Transactions on Energy Conversion, Vol. 15, No. 4, December 2000, pp. 451-457	
	C3	R. BLISSENBACH, G. HENNEBERGER, U. SCHAFER and W. HACKMANN, "Development of a Transverse Flux Traction Motor in a Direct Drive System," ICEM2000 Proceedings, Vol. III, August 30, 2000, pp. 1457-1460	
	C4	R. BLISSENBACH and G. HENNEBERGER, "New Design of a Soft Magnetic Composite Transverse Flux Machine with Special Attention on the Loss Mechanisms," presented at Electromotion '01 at Bologna, Italy on June 20, 2001	
	C5	B.J. CHALMERS and W. WU, "An Axial-Flux Permanent-Magnet Generator for a Gearless Wind Energy System," IEEE Transactions on Energy Conversion, Vol. 14, No. 2, June 1999, pp. 251-257	
	C6	T.F. CHAN, LIE-TONG YAN and SHAO-YUAN FANG, "In-Wheel Permanent-Magnet Brushless dc Motor Drive for an Electric Bicycle," IEEE Transactions on Energy Conversion, Vol. 17, No. 2, June 2002, pp. 229-233	
	C7	Z. CHEN and E. SPOONER, "Grid Power Quality with Variable Speed Wind Turbines," IEEE Transactions on Energy Conversion, Vol. 16, No. 2, June 2001, pp. 148-154	
	C8	TIEN-CHI CHEN and TSONG-TERNG SHEU, "Model Reference Neural Network Controller for Induction Motor Speed Control," IEEE Transactions on Energy Conversion, Vol. 17, No. 2, June 2002, pp. 157-163	
	C9	T.M. EMPSON, "Energy Saving Systems for Induction Motors," 1998, at home.clear.net.nz/pages/lmphtonics/es090698.pdf	
	C10	JAWAD FAIZ and MOHAMMAD B.B. SHARIFIAN, "Different Techniques for Real Time Estimation of an Induction Motor Rotor Resistance in Sensorless Direct Torque Control for Electric Vehicle," IEEE Transactions on Energy Conversion, Vol. 16, No. 1, March 2001, pp. 104-108	

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	C11	JACEK F. GIERAS and MITCHELL WING, Permanent Magnet Motor Technology, 2nd Edition, 2002, Marcel Dekker, Inc., New York, pp. 230-234, 236-264, 273-276, 283-285, 353-359 and 369-373	
	C12	IRVING M. GOTTLIEB, Electric Motors and Control Techniques, 2nd Edition, 1994, TAB Books (Imprint of McGraw Hill), New York, pp. 147-151, 207-210 and 235-239	
	C13	CHIH-YI HUANG, TIEN-CHI CHEN and CHING-LIEN HUANG, "A Microcomputer-based Induction Motor Drive System Using Current and Torque Control," IEEE Transactions on Energy Conversion, Vol. 14, No. 4, December 1999, pp. 874-880	
	C14	JACK et al., "Permanent magnet machines with powdered iron cores and pre-pressed windings," IEEE IAS Conference, Phoenix, USA, Oct. 1999	
/EC/	C15	A. JACK, "Electric machine cores from soft magnetic composites: experience, possibilities and practicalities," unpublished	
	C16	THOMAS M. JAHNS, "Improved Reliability in Solid-State AC Drives by Means of Multiple Independent Phase Drive Units," IEEE Transactions on Industry Applications, Vol. IA-16, No. 3, May/June 1980, pp. 321-331	
	C17	SURESH H. JANGAMSHETTI and V. GURUPRASADA RAU, "Optimum Siting of Wind Turbine Generators," IEEE Transactions on Energy Conversion, Vol. 16, No. 1, March 2001, pp. 8-13	
/EC/	C18	JANSSON, "Advances in soft magnetic composites based on iron powder," powder," Soft Magnetic Materials Conference, Barcelona, Spain, April 1998	
/EC/	C19	JANSSON, et al., "Magnetic assessment of SMC materials," 21st Annual Conference on Properties and Applications of Magnetic Materials, Chicago, USA, May 2002	
	C20	EDUARD MULJADI, HERBERT L. HESS and KIM THOMAS, "Zero Sequence Method for Energy Recovery from a Variable-Speed Wind Turbine Generator," IEEE Transactions on Energy Conversion, Vol. 16, No. 1, March 2001, pp. 99-103	
	C21	M.A. RAHMAN and M.A. HOQUE, "On-line Adaptive Artificial Neural Network Based Vector Control of Permanent Magnet Synchronous Motors," IEEE Transactions on Energy Conversion, Vol. 13, No. 4, December 1998, pp. 311-318	

Examiner Signature	/Eduardo Colon Santana/	Date Considered	12/09/2007
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) (Use as many sheets as necessary)				Application Number	10/809,808
				Filing Date	March 26, 2004
				First Named Inventor	Boris A. MASLOV
				Art Unit	2837
				Examiner Name	COLON SANTANA, E.
Sheet	8	of	8	Attorney Docket Number	76897-018CIP6

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C22	V S RAMSDEN, B C MECROW and H C LOVATT, "Design of an In-Wheel Motor for a Solar-Powered Electric Vehicle," undated, at www.tip.csiro.au/Machines/papers/wscem/	
/EC/	C23	SEKIMORI et al. "Development of Toyota 'COASTER HYBRID EV," 13 th International Electric Vehicle Symposium, Osaka, Japan, October 13-16, 1996, Vol. 2, Symp. 13, pp. 16-23	
	C24	K.L. SHI, T.F. CHAN, Y.K. WONG and S.L. HO, "A Rule-Based Acceleration Control Scheme for an Induction Motor," IEEE Transactions on Energy Conversion, Vol. 17, No. 2, June 2002, pp. 254-259	
/EC/	C25	MASAYUKI TERASHIMA et al. "Novel Motors and Controllers for High Performance Electric Vehicle with 4 In-Wheel Motors," Proceedings of the 1996 IEEE, IECON 22 nd International Conference in Taipei, Taiwan, August 5-10, 1996, pp. 20-27	
	C26	DAVID A. TORREY and JAMES M. KOKERNAK, "Power Steering: Brushless DC or Switched Reluctance?" Power Electronics Technology, Aug. 2002, pp. 24-33	
	C27	M. NASIR UDDIN, TAWFIK S. RADWIN and M. AZIZUR RAHMAN, "Performance of Interior Permanent Magnet Motor Drive Over Wide Speed Range," IEEE Transactions on Energy Conversion, Vol. 17, No. 1, March 2002, pp. 79-84	
/EC/	C28	UQM Technologies, Inc. press release dated September 17, 2002 and available on the Web at www.uqm.com/press/news/03-19.html	
	C29	VACON PLC, "Vacon NXS: Advanced Motor Control," undated, at www.vacon.com/products/nxs.html	
	C30	O. WASYNCZUK, S.D. SUDHOFF, K.A. CORZINE, JERRY L. TICHENOR and P.C. KRAUSE, "A Maximum Torque per Ampere Control Strategy for Induction Motor Drives," IEEE Transactions on Energy Conversion, Vol. 13, No. 2, June 1998, pp. 163-169	
/EC/	C31	White Paper: Induction Motors - constant frequency; constant voltage variable frequency/variable voltage, Reliance Electric, http://www.reliance.com/prodserve/motgen/b7097_2.htm , 2001	
/EC/	C32	Part of the UQM Technologies, Inc. 2002 Annual Report dated June 19, 2002	

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